

2032-045 PCT/US-1

Amendment dated 05/17/2010

AMENDMENT WITH RCE

03100291aa

Reply to office action mailed 11/17/2009

The following is a complete listing of all claims in the application, with an indication of the status of each:

Listing of claims:

1 1-10. (canceled)

1 11. (allowed) A composition for a fire-protection agent for materials,
2 characterized in comprising ceramic-forming additives and volume-formers,
3 whereby in the event of heating, a volume of a layer formed by the fire-
4 protection agent is increased by at least 500% in volume, and wherein at least
5 the ceramic-forming additives and the volume-formers are present in
6 nanoparticle-coated form.

1 12. (currently amended) A composition for a fire-protection agent for
2 materials, characterized in comprising ceramic-forming additives and volume-
3 formers, the combination of ceramic-forming additives and volume-formers
4 being such as to provide, whereby in the event of heating, a volume of a
5 ceramic layer formed by the fire-protection agent that is increased by at least
6 500% in volume, and wherein the ceramic-forming additives and the volume-
7 formers are present as salts having a particle size of 1 to 50 μm .

1 13-17. (canceled)

1 18. (allowed) A method of producing a fire protection agent, characterized in
2 that ceramic-forming additives are added to a volume forming fire-protection
3 agent, whereby the ceramic-forming additives in the volume-forming fire-
4 protection agent are present as nanoparticle-coated salts.

2032-045 PCT/US-1

Amendment dated 05/17/2010

AMENDMENT WITH RCE

03100291aa

Reply to office action mailed 11/17/2009

1 19-21. (canceled)

1 22. (currently amended) A composition for a fire-protection agent for
2 materials, characterized in comprising ceramic-forming additives and volume-
3 formers, the combination of ceramic-forming additives and volume-formers
4 being such as to provide, whereby in the event of heating, a volume of a
5 ceramic layer formed by the fire-protection agent that is increased by at least
6 500% in volume, characterized in that the ceramic-forming additives are
7 disodium tetraborate and ammoniumpentaborate.

1 23-26. (canceled)

1 27. (allowed) The composition of claim 11, wherein said composition
2 comprises at least two ceramic-forming additives.

1 28. (previously presented) The composition of claim 12, wherein said
2 composition comprises at least two ceramic-forming additives.

1 29. (allowed) The method of claim 18, wherein said ceramic-forming
2 additives comprise at least two ceramic-forming additives.

1 30. (canceled)